

App. No. 09/995,051
Amend. Dated April 30, 2004
Reply to Office action of December 3, 2003

REPLACEMENT SHEET
Serial No.: 09/995,051
Filed: November 27, 2001
Atty. Docket No.: 34149

ABSTRACT

A device for generating an image from an IR radiation including a plurality of polarized heat detectors (2) having specific electric resistances distributed over the focal plane of a detection module so as to deliver a signal representing a detected IR radiation. A read module (8) converts the electric signal into a signal usable by an image processing block (18). An electric signal compensation module (10) having a first branch (12) for obtaining a first thresholding to extract a first constant value signal due to the polarization of the heat detectors. The compensation module (10) includes a second branch (30) for obtaining a second thresholding to extract from the first thresholding signal a second low-level signal due to the dispersion of the electric resistances of the heat detectors and/or to the fluctuations in the temperature of the focal plane of the detection module.